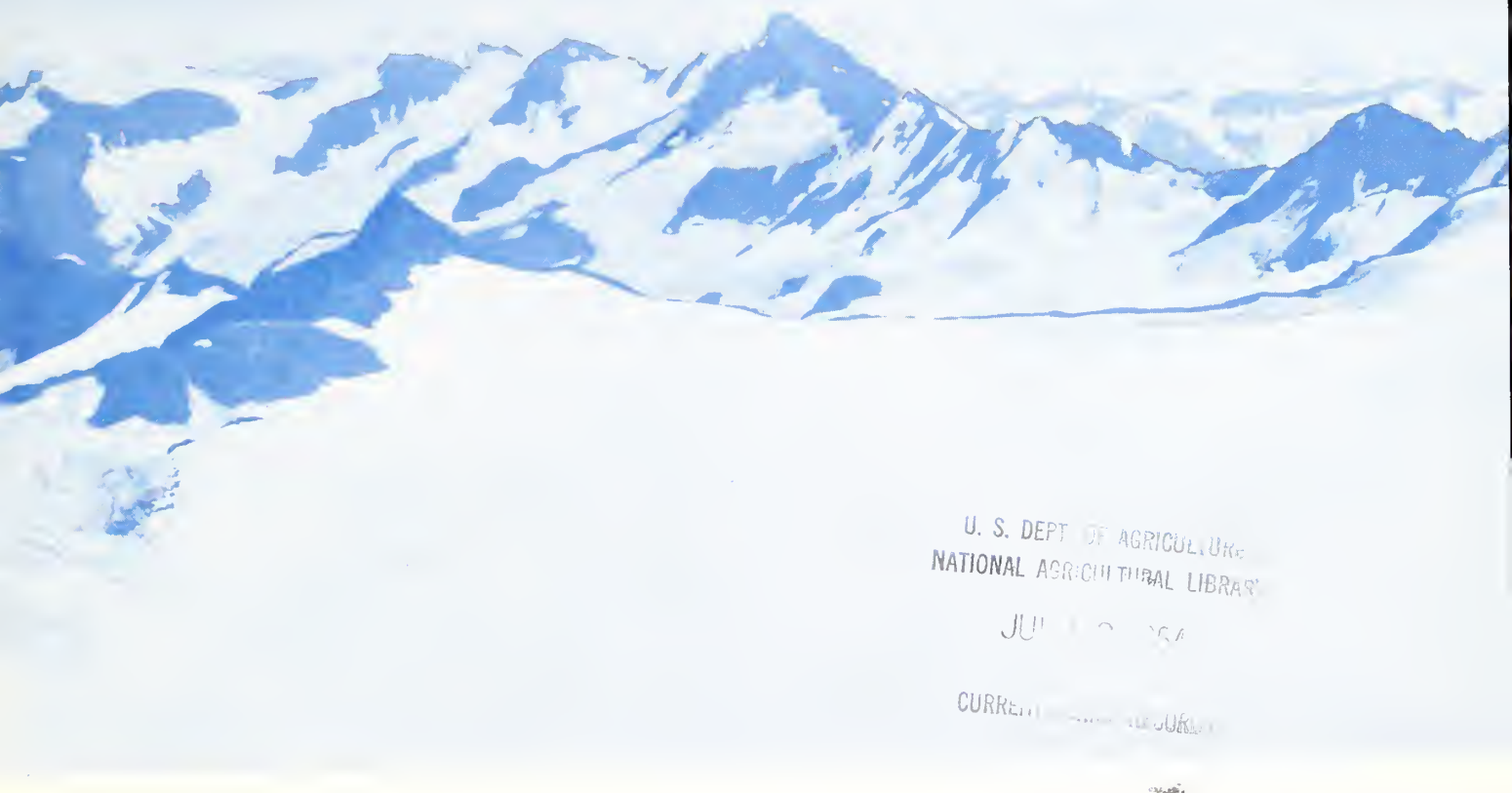


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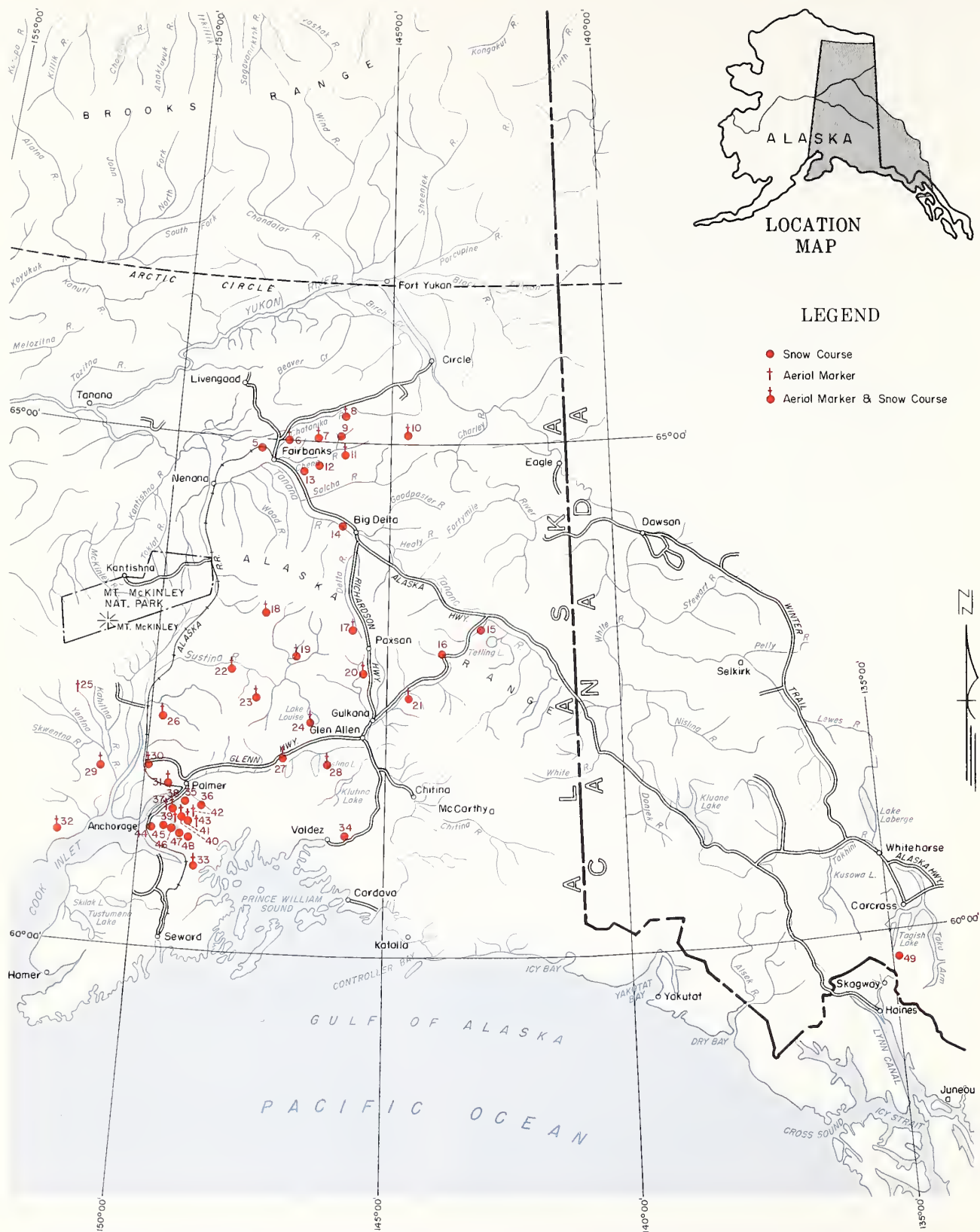
CURRENT AGRICULTURE

FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEYS
for
ALASKA

U. S. DEPARTMENT of AGRICULTURE , SOIL CONSERVATION SERVICE
and
ALASKA SOIL CONSERVATION DISTRICT

Data included in this report were obtained by the agencies named above in cooperation with the U.S. Army Corps of Engineers, U.S. Bureau of Reclamation, Alaska Highway Dept., Alaska Department of Fish and Game and University of Alaska.

AS OF
MAY 1, 1964



SNOW SURVEYS

for

ALASKA

Report Issued by

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

W. B. OLIVER, STATE CONSERVATIONIST
P. O. Box F, PALMER, ALASKA

INDEX OF ALASKA SNOW COURSES

MAP No.	COURSE NAME	COURSE No.	ELEV.	MAP No.	COURSE NAME	COURSE No.	ELEV.
5	Yak Pasture	47PP1	540	28	St. Anne's Lake	46MM1A	1985
6	Cleary Summit	47QQ1A	2230	29	Alexander Lake	50MM1A	200
7	Little Chena	46QQ2A	2200	30	Willow Airstrip	50MM2A	
8	Mt. Ryan	46QQ1A	2950	31	Wasilla Airstrip	49MM6A	
9	Chena Hot Springs	46QQ3	1180	32	McArthur	51MM1A	120
10	Big Windy	44QQ2A	3850	33	Twenty Mile	48LL1A	
11	Munson Ridge	46PP1A	3100	34	Worthington Glacier	45MM1	2400
12	Little Salch	46PP3	1500	35	Moraine	48MM1A	2100
13	French Creek	46PP2	2010	36	Ptarmigan	48MM2	3000
14	Big Delta	45PP1	975	37	Glacier	48MM3a	
15	Tok Junction	43001	1650	38	Grizzly	48MM4A	5000
16	Mentasta Pass	43NN1	2430	39	Sheep	48MM5a	2500
17	Fielding Lake	45001A	3000	40	Bowl	48MM6a	4500
18	Monahan Flat	47001A	2710	41	Goat	48MM7A	3200
19	Clearwater Lake	46NN1A	3100	42	Marmot	48MM8A	2000
20	Haggard Creek	45NN1A	2540	43	Little Glacier	48MM9a	4000
21	Chistochina	44NN1A	2170	44	Arctic Valley #1	49MM1	500
22	Fog Lakes	48NN1A	2270	45	Arctic Valley #2	49MM2	1000
23	Oshetna Lake	47NN1A	2950	46	Arctic Valley #3	49MM3	2030
24	Lake Louise	46NN2A	2400	47	Arctic Valley #4	49MM4	2330
25	Chelatna Lake	51NN1A	1650	48	Arctic Ski Bowl	49MM5	3000
26	Bald Mtn. Lake	49NN1A	2150	49	Log Cabin (British Columbia)	35KK1	2880
27	Sheep Mountain	45MM1	2700				

May 1964

General Situation

By May 1st a number of the lower elevation courses had lost all their snow. Most of the higher courses had greater snow depth than April 1 and a considerable increase in water content. A few remained essentially the same as April 1st. Quite a few of the new courses were not measured due to the extremely hazardous flying conditions which persisted for the first 10 days of May.

Eklutna Drainage

Snow depth increased slightly but water content is greater than last month. The May water content is very close to the average for the twelve years of record. This is the only place where a snow slide interfered with measuring a snow course—even though the recent earthquake did cause many snow slides.

Matanuska Drainage

Sheep Mountain Course accumulated some new snow but the water content of this snow is less than that of April 1st.

Chena Drainage

Chena courses accumulated snow during April with an increase in water content; but they are still below the three year average.

Susitna Drainage

There is still considerable snow on the upland areas; but too few courses were actually measured to provide a reliable comparison. Snow in lower areas is disappearing rapidly.

Copper Drainage

Little change from April 1st readings.

Yukon above Rampart

The four Yukon courses were measured on April 16 for a further test of equipment. Snow depth and water content of these courses were practically unchanged during the four weeks since the first measurement was made.

ALASKA SNOW SURVEYS

DRAINAGE BASIN AND SNOW COURSE	MAP NO.	DATE OF SURVEY	SNOW DEPTH (INCHES)	WATER CONTENT (INCHES)	WATER CONTENT	
					LAST YEAR	AVERAGE *
Yak Pasture	5	5/2/64	6.5	2.8	1.9	3.6
Cleary Summit	6	5/2/64	26.9	5.9	8.5	7.9
Little Chena	7	5/2/64	23.0	6.2	5.7	7.3
Mt. Ryan	8	5/2/64	23.2	5.5	12.0	10.5
Chena Hot Springs	9	4/15/64	16.4	4.5	5.8	6.8
Big Windy	10	5/2/64	12.0	3.4	7.6	6.3
Munson Ridge	11	5/2/64	34.0	9.3	14.2	16.2
Little Salcha	12	5/1/64	20.6	4.8	5.1	6.3
French Creek	13	5/1/64	29.6	6.3	7.0	8.8
Big Delta	14	5/1/64	No snow			
Tok Junction	15	4/30/64	18.7	3.9	---	2.6
Mentasta Pass	16	4/3/64	25.6	5.4	8.4	7.6
Fielding Lake	17	5/1/64	45.1	11.0	13.6	14.5
Monahan Flat	18	5/11/64	30*			
Clearwater Lake	19	5/11/64	16*			
Haggard Creek	20	No measurement				
Chistochina	21	No measurement				
Fog Lakes	22	5/11/64	12*			
Oshetna Lake	23	5/11/64	20*			
Lake Louise	24	5/11/64	13.8	4.8	New course	
Chelatna Lake	25	No measurement				
Bald Mtn. Lake	26	5/11/64	45*			
Sheep Mountain	27	4/30/64	18.1	3.6	5.3	3.7
St. Anne's Lake	28	No measurement				
Alexander Lake	29	No measurement				
Willow Airstrip	30	5/11/64	6" snow	in patches		
Wasilla Airstrip	31	No measurement				
McArthur	32	No measurement				
Twenty Mile	33	No measurement				
Worthington Glacier	34	4/30/64	70.6	26.3	23.6	24.3
Moraine	35	4/21/64	27.3	7.7	7.1	7.9
Ptarmigan	36	4/21/64	35.7	9.4	10.4	9.4
Glacier	37	No measurement				
Grizzly	38	4/21/64	74.5	29.1	27.8	28.4
Sheep	39	4/21/64	90*			
Bowl	40	4/21/64	84*			
Goat	41	4/21/64	55.7	17.8	18.8	18.3
Marmot	42	4/21/64	---	---	---	---
Little Glacier	43	4/21/64	138*			
Arctic Valley #1	44	5/8/64	No snow			
Arctic Valley #2	45	5/8/64	No snow			
Arctic Valley #3	46	5/8/64	24.9	5.2	---	
Arctic Valley #4	47	5/8/64	25.6	6.3	---	
Arctic Ski Bowl	48	5/8/64	38.3	12.2	---	
Log Cabin (British Columbia)	49	5/1/64	44.3	15.7	5.4	11.9

* Measurements from Aerial Markers.

(*) Average for Period of Record

ALASKA SNOW SURVEYS

DRAINAGE BASIN AND SNOW COURSE	MAP NO.	DATE OF SURVEY	SNOW DEPTH (INCHES)	WATER CONTENT (INCHES)	WATER CONTENT	
					LAST YEAR	AVERAGE *
		Yukon above Rampart				
Arctic Village	--	4/16/64	19.2	3.7	--	--
Venetie	--	4/16/64	11.8	2.2	--	--
Ft. Yukon	--	4/16/64	16.8	2.9	--	--
Chandalar	--	4/17/64	21.3	4.0	--	--

(*) Average for Period of Record

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